


Open Access - current developments

Presentation at the FinnOA ten year
anniversary seminar 15.10.2013

Bo-Christer Björk



How I became involved in OA



Volume 1 (1996).

Electronic Journal of Information Technology in Construction

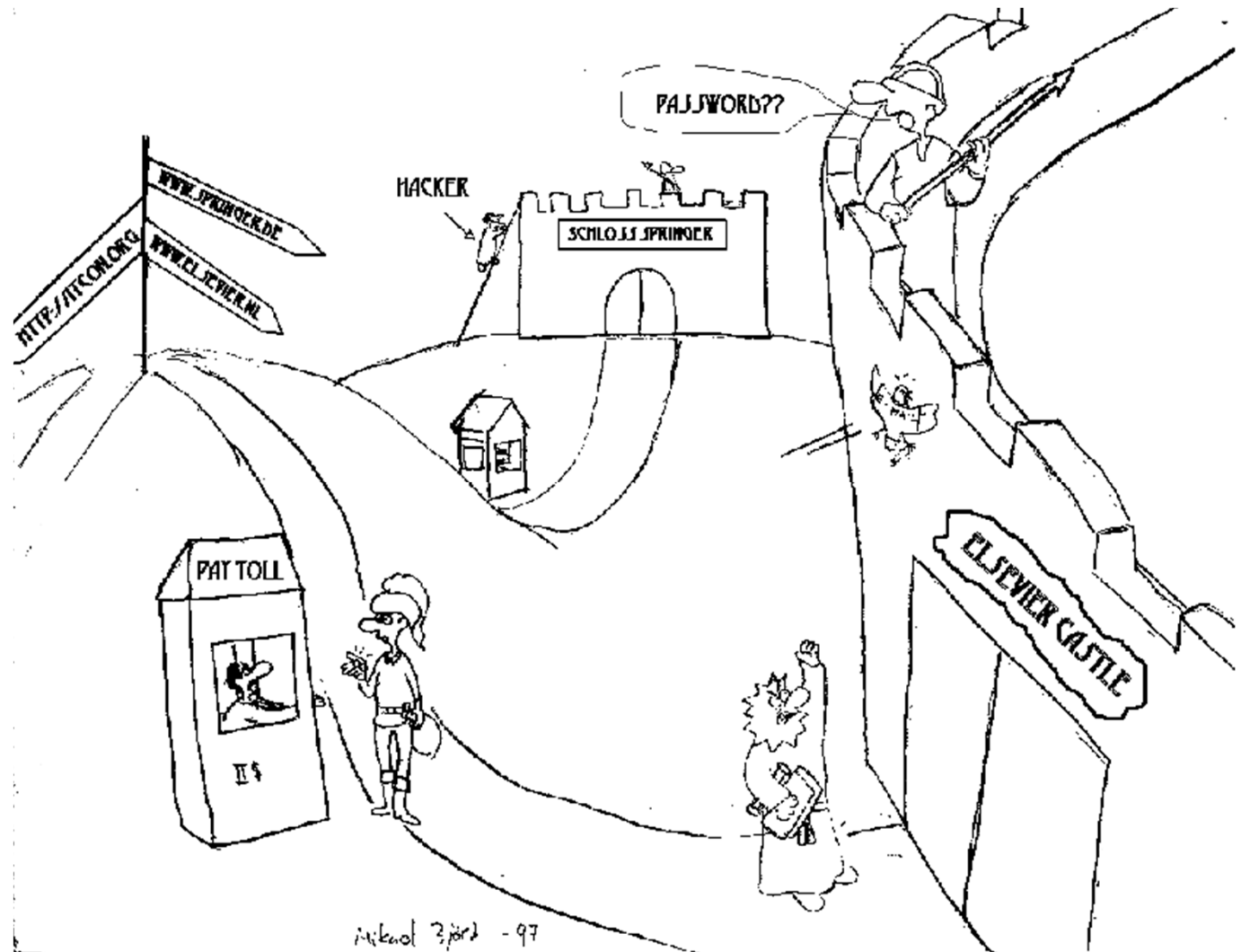
Editor-in-chief: [Bo-Christer Björk](#)

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1. Rezgui, Y. and Debras, P.,
[An Integrated Approach for a Model Based Document Production and Management](#)
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[A Conceptual Framework for Classification of Construction Works](#)
3. Brown, A., Rezgui, Y., Cooper, G., Yip, J. and Brandon, P.
[Promoting Computer Integrated Construction Through the Use of Distribution Technology](#)

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Why OA – view of a newly converted



Start of FinnOA

- April 2003
- “Suomessa eri korkeakoulujen, tieteellisten seurain ja kansalliskirjaston edustajat perustivat huhtikuussa 2003 FinOA nimisen työryhmän. Puheenjohtajana toimii Professori Bo-Christer Björk Svenska Handelshögskolanista ja sihteerinä Irma Reijonen Helsingin Yliopistosta. Työryhmä pyrkii vuoden aikana määrittelemään selkeän vision siitä mihin suuntaan Suomen tiedeyhteisön julkaisutoiminnan tulisi muuttua viiden vuoden sisällä, sekä siihen perustuvan konkreettisen toimintasuunnitelman.”



2004 seminar

Tieteen verkkojulkistamiseen on herätty vahvasti nyt myös Suomessa. Hankenilla oli paikalla asiantuntijoita kaikista johtavista kirjastoista ja yliopistoista.

Suomen FinnOA-yhdistyksen näkemys asiasta on selvä: Tieteelliset julkaisut menivät ja menevät verkkoon, mutta miten ja millä ehdoilla?

Tiede pöydiltä verkkoon

► Kaikki tärkeimmät tiedelehdet ilmestyvät verkossa 2010, tai kuolevat

Timo Pauku
HELSINGIN SANOMAT

► Tieteellinen vallankumous on alkanut – tietoverkoissa.

Jo vuonna 2010 kaikki tieteen tärkeimmät aikakausjulkaisut lännessä ilmestyvät internetissä, pian idässäkin.

Ne jotka eivät liity tähän murrokseen mukaan, jäävät tieteen reuna-alueille. Ja tipahtavat tieteen eturivistä.

Tutkijat ovat alkaneet lähestyä sormillaan. He eivät enää kestä kallista lehtiä, jotka rajoittavat tieteellisen tiedon kulkua ja levitystä.

"Tieteen verkkojulkaisut eivät muuta pelkästään tieteen hinnoittelua vaan tiedettä itsessään", ennusti sanomalehti The New York Times jo 1998.

Tieteen avoimuus on tieteenlehtien elinehto. Sitä ei saa enää hidastaa yksi tieteen instituutioista, vertaisarviointi eli peer-

review. Sekä San Franciscon että Cornellin yliopistot ovat jo ilmoittaneet boikotoivansa Elsevierin lehtiä, ellei se alenna tilausmaksuja.

Tiedekustantajat saivat 1960- ja 1970-luvuilla lopullisen otteen maailman tuhansiin tiedejournaaleihin tieteellisten seurojen avulla.

Seurat tekivät sopimuksen painatuksesta. Samalla lehtien toimituskunnista tuli portinvartijoita, gatekeepereitä. Mur-

ei enää ole erityisen palkitsevaa henkisestiäkään. Arvioijat ovat ylityöllistettyjä muutenkin, esimerkiksi yliopistojen hallinnon takia.

"Täytyy muistaa, että vertaisarviointi syntyi aikansa uhrina", sanoi Hankenilla professori Arto Mustajoki Helsingin yliopistosta.

"Aikansa huippujulkaisut olivat alucillaan 1900-luvun alussa tässä", Mustajoki sanoi, ja ojensi vain toisen kätensä sormet näyttää.

FinnOA in 2008



What's happened 2003-2013

- OA share of all articles has increased from around 15 % to 35 %
- Gold OA has become a viable business model
- An infrastructure of repositories has developed for green OA
- OA is very much on the agenda among the different stakeholders in scholarly publishing

Different flavors of OA

- Gold OA
 - APC funded
 - Free for authors
- Delayed OA
- Hybrid OA
- Green OA
 - In subject & institutional repositories
 - Home pages etc

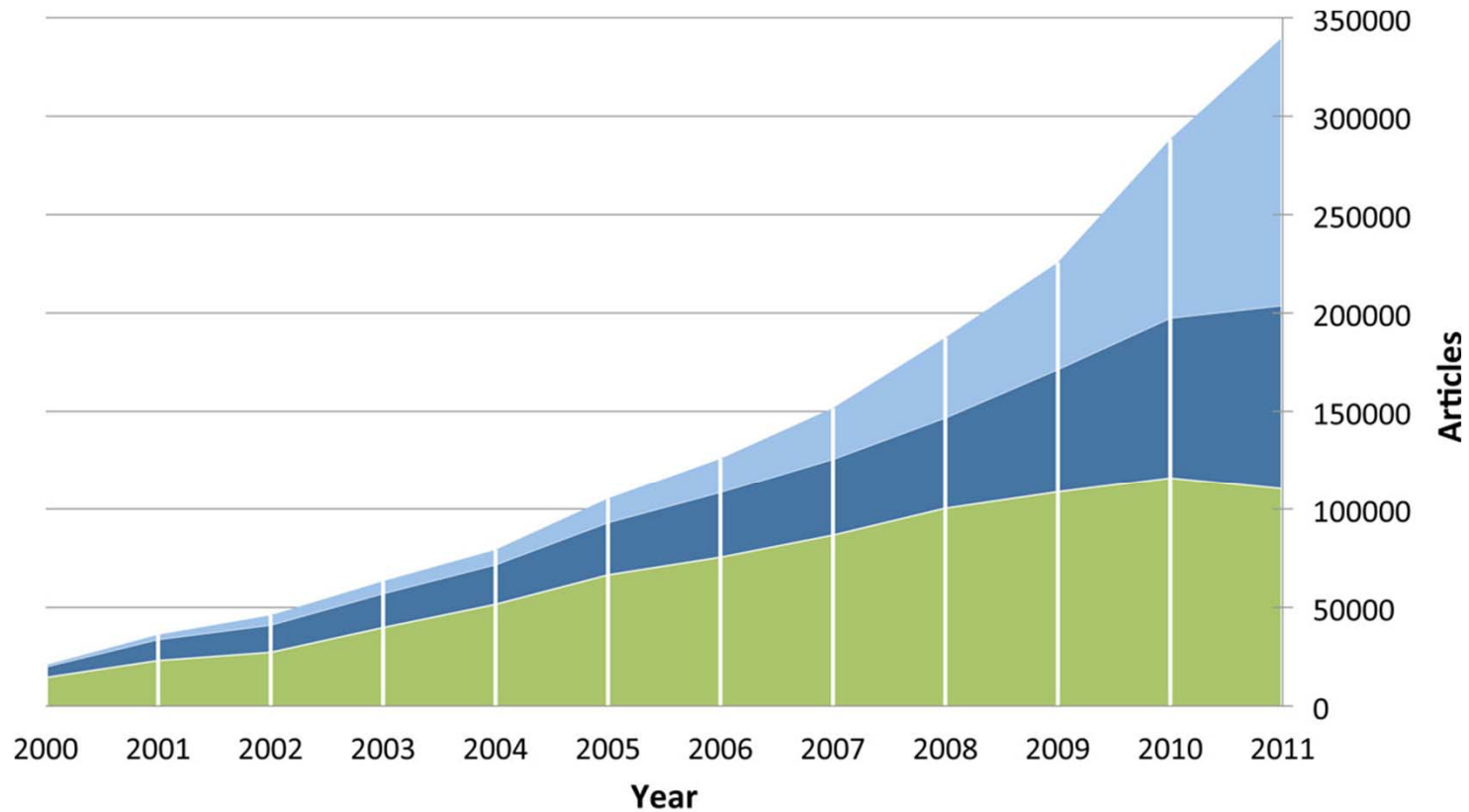
Situation in 2003

- OA movement stabilized
 - BOAI declaration, Berlin etc
 - Main terms accepted, OA, Gold, Green
- First APC funded OA journals
- Start of DOAJ
- Institutional repositories emerging

Current situation 2013

- Almost 20 % of all Scopus-indexed articles are available in Gold OA, delayed OA journals or as hybrid OA articles
- A further estimated 15 % are available as green copies

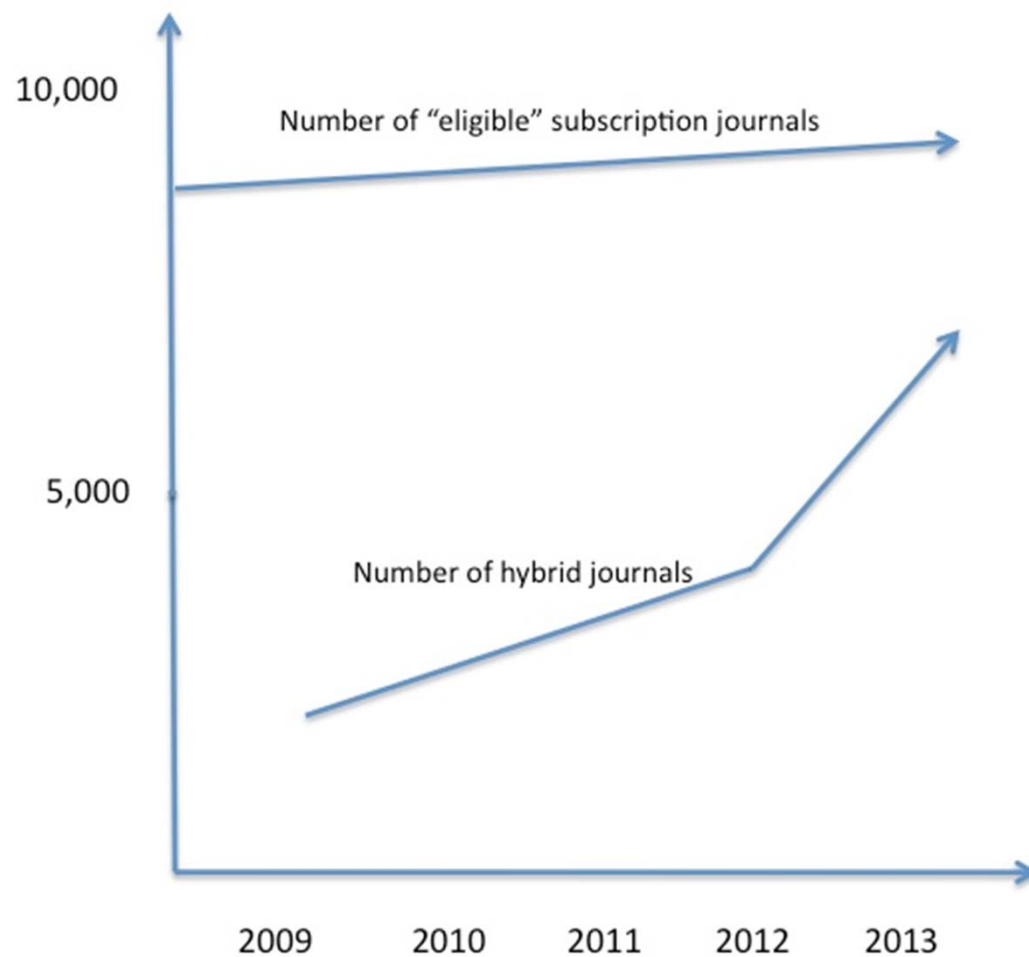
Development of Gold OA



Trends

- Major commercial and society publishers are starting up APC funded full OA journals
- The vast majority of subscription journals (6000-7000) offer a hybrid possibility
- Publishers are tightening rules for green self-archival
- Major funders are starting to grant earmarked APC-funding

Hybrid OA



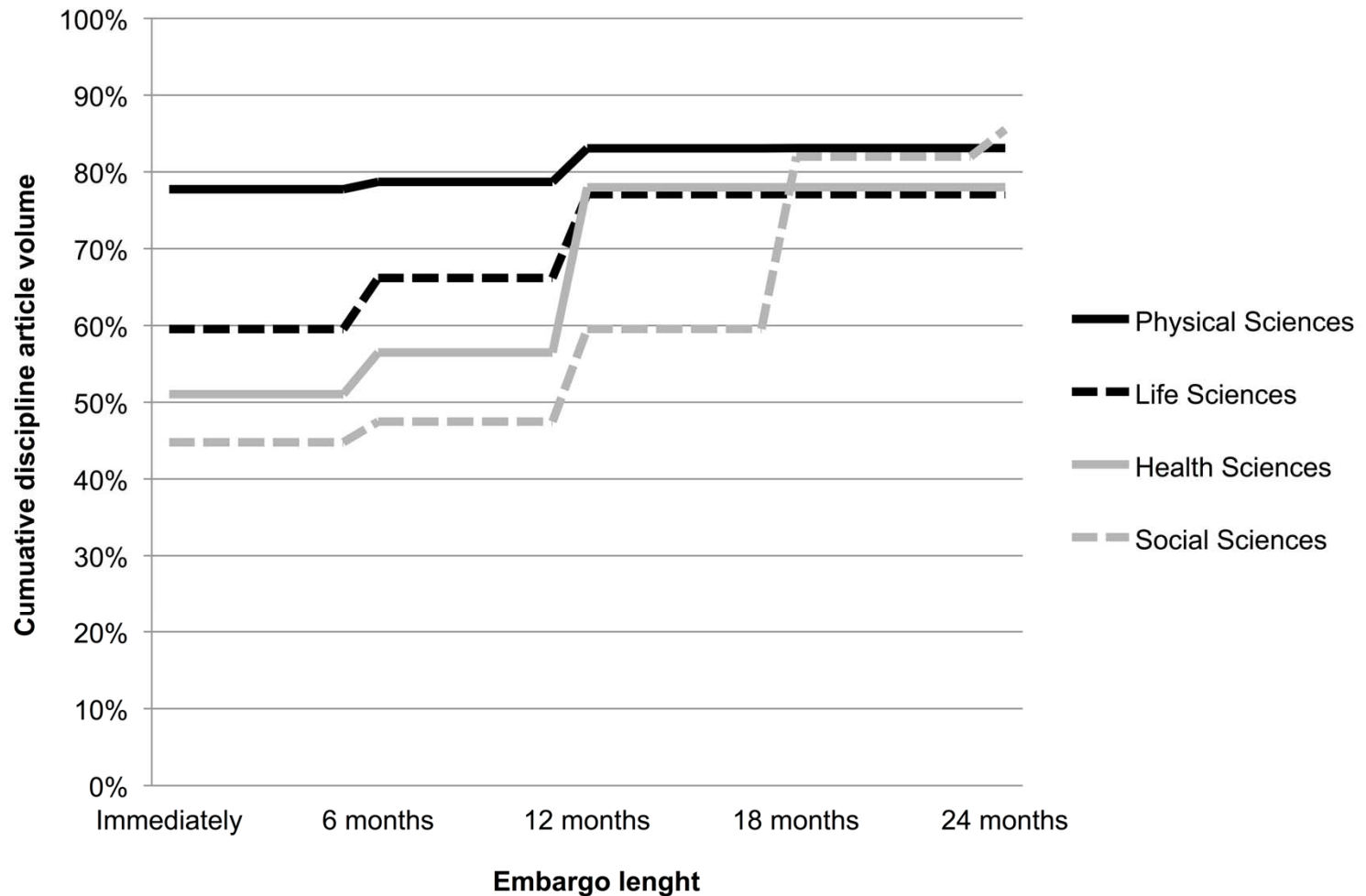
Delayed Gold OA (5 % of articles, 15 % of citations)

Journal Type	Journals (n)	Journal Level		Article Level	
		Mean	SD	Mean	SD
Closed ¹	7 609	1.97	2.95	2.81	3.31
Immediate Open Access ¹	610	1.50	4.02	2.04	2.28
Delayed Open Access	409	4.42	5.05	5.93	6.39

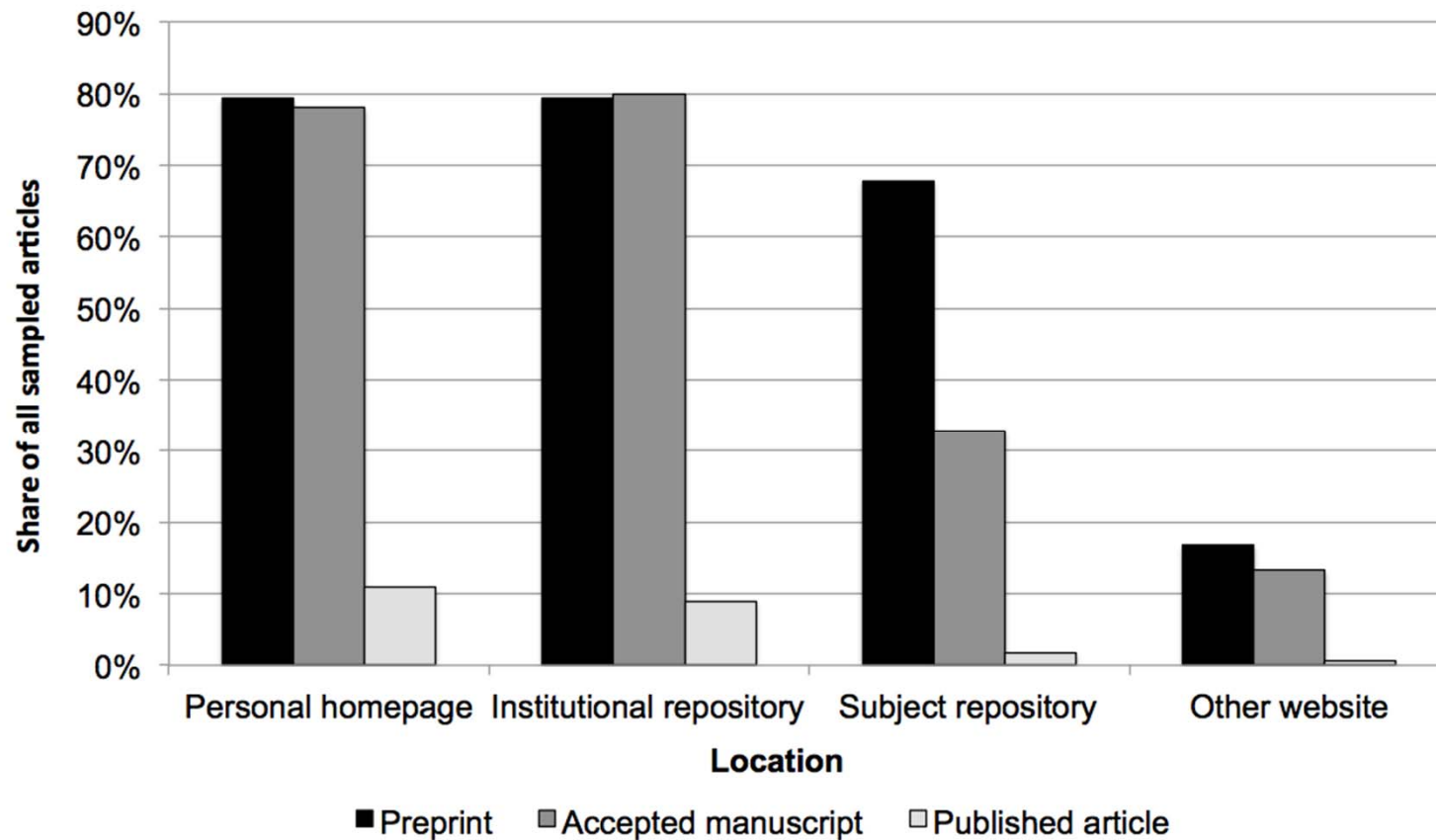
¹ = Results from Björk & Solomon (2012)

Table 2 – 2-year citation averages for Web of Knowledge-indexed immediate open access journals, delayed open access journals, and closed journals. Calculated using 2010 impact factors.

Publisher Green OA Delay / Discipline



Publisher Green OA Delay / Location



New innovative OA publishers and journals



From submission
to acceptance*

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Predator publishers

Open access houkuttaa huijareita ja idealisteja

Avoin julkaiseminen, open access, houkuttaa niin tieteen huijareita kuin kirkasotsaisia idealistejakin. Myös suomalaiset lääkärit ja tutkijat ovat kohdanneet verkkojulkaisemisen kääntöpuolen.

■ TEKSTI ULLA JÄRVI ■ KUVA PANTHERMEDIA

From: Managing Editor (SDI) <editor.60@sciencedomain.org> ☆
Subject: British Journal of Medicine and Medical Research : An OPEN peer reviewed journal
To: Bo-Christer Björk ☆

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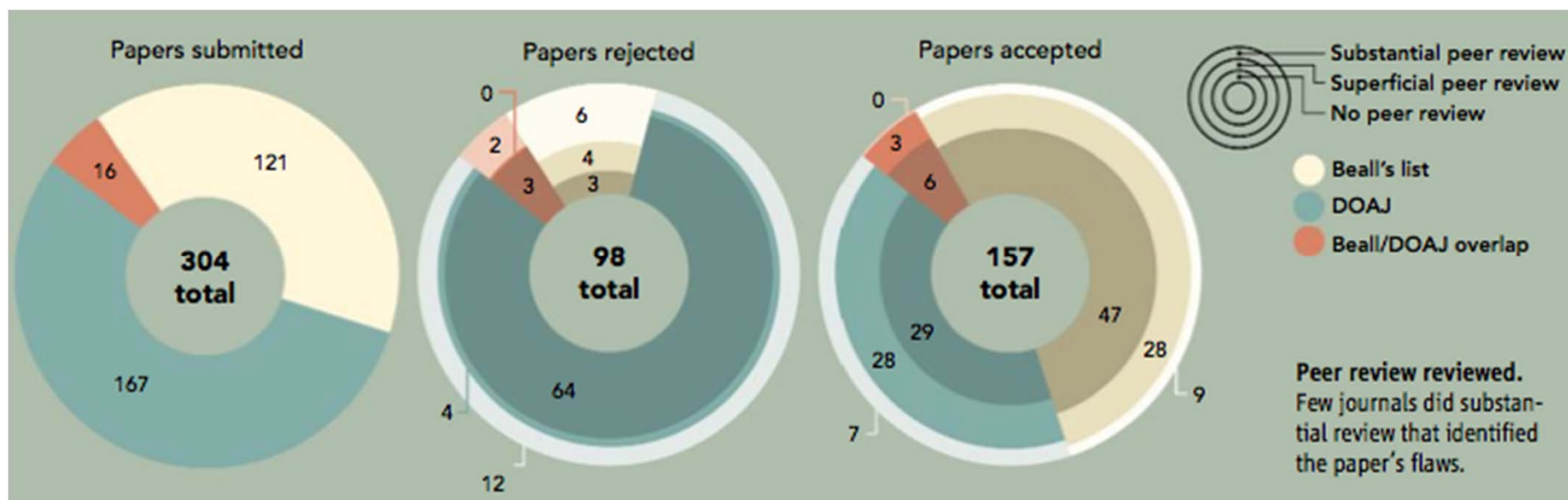
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2. Transparent and High standard Peer review:

In order to maintain highest level of transparency and high standard of review [peer-review system](#) (Example [Link1](#), [Link2](#), [Link3](#), [Link4](#), [Link5](#), [Link6](#), [Link7](#), [peer-review system](#), which is expected to give doubtless scholarly benefit an



An experiment by a journalist reported in Science Magazine



Global map of predatory OA



Green vs Gold?

- Heated debate between different camps in the OA movement



1. The Finch Report is a successful case of lobbying by publishers to protect the interests of publishing at the expense of the interests of research and the public that funds research:

<http://www.researchinfonet.org/wp-content/uploads/2012/06/Finch-Group-report-FINAL-VERSION.pdf>

2. The Finch Report proposes doing precisely what the US Research Works Act (RWA) -- since discredited and withdrawn -- failed to do: to push "Green" OA self-archiving (by authors, and Green OA self-archiving mandates by authors' funders and institutions) off the UK policy agenda as inadequate and ineffective and, to boot, likely to destroy both publishing and peer review -- and to replace them instead with a vague, slow evolution toward "Gold" OA publishing, at the publishers' pace and price.



Green vs gold

- The market (= the authors and funders) will in the end decide
- Research funders currently in a strategic position to influence developments
- Availability of earmarked APC funds

New trends: Open data



About ▾

For researchers ▾

For

1 DEPOSIT
DATA



2 GET PERMANENT
IDENTIFIER



<http://dx.doi.org/10.5061/dryad.20>

3 WATCH YOUR
CITATIONS GROW!



4 RELAX, YOUR DATA
ARE DISCOVERABLE
AND SECURE



New trends: Altmetrics

Research article

Highly accessed

Open Access

Anatomy of open access publishing: a study of longitudinal development and internal structure

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BMC Medicine 2012, **10**:124 doi:10.1186/1741-7015-10-124



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- Publish first as discussion paper (Copernicus journals)
- Open Peer Review (BMC Medicine)
- Cascading peer review



Thank you for your attention

